

What is claimed is:

1. A mobile communication system having a function for delivering data of an identical service to a plurality of radio terminals,

5 wherein, in accordance with movement of a radio terminal having joined the service between radio network controllers, the movement of said radio terminal is notified from a moving destination radio network controller to a moving source radio network controller.

10 2. The mobile communication system according to claim 1, wherein the movement of the radio terminal between radio network controllers is movement during a period until data reception after said radio terminal has joined the service.

3. The mobile communication system according claim 2,
15 wherein said movement of the radio terminal is movement during an idle mode or a standby state.

4. The mobile communication system according to claim 1,
 wherein said moving source radio network controller reduces
20 to update the number of radio terminals subscribing to the service in response to the notification.

5. The mobile communication system according to claim 1,

wherein said moving destination radio network controller increases to update the number of radio terminals subscribing to the service.

6. The mobile communication system according to claim 5,
5 wherein said moving destination radio network controller has already set up a common channel for delivery of data of the service, and sets the common channel with respect to said radio terminal moving between radio network controllers.

7. The mobile communication system according to claim 5,
10 wherein said moving destination radio network controller has already set a dedicated channel for data delivery of the service with respect to radio terminals having joined the service and, in accordance with the updated number of said radio terminals, judges that the dedicated channel be switched to the common channel
15 for the data delivery of the service.

8. The mobile communication system according to claim 5,
wherein, in the judgment, said moving destination radio network controller compares the updated number and a predetermined number and, if the updated number is smaller than
20 the predetermined number, sets the dedicated channel with respect to said radio terminal moving between radio network controllers.

9. The mobile communication system according to claim 5,
wherein, in the judgment, said moving destination radio network controller compares the updated number and a

predetermined number and, if the updated number is equal to or larger than the predetermined number, sets the common channel with respect to said radio terminals having joined the service and said radio terminal moving between radio network controllers.

5 10. A radio network controller having a function for delivering data of an identical service to a plurality of radio terminals, comprising means for, when a radio terminal having joined the service has moved to a cell under control of the radio network controller, notifying a moving source radio network controller
10 of the movement of said radio terminal.

11. The radio network controller according to claim 10,
wherein the movement of said radio terminal to the cell is movement during a period until data reception after said radio terminal has joined the service.

12 The radio network controller according to claim 11,
wherein said movement of the radio terminal is movement during an idle mode or a standby state.

15 13. The radio network controller according to claim 10, further comprising means for increasing and updating the number of radio terminals subscribing to the service.

14. The radio network controller according to claim 13, the radio network controller having already set up a common channel
20 for delivery of data of the service, further comprising means

for setting the common channel with respect to said radio terminal having moved to the cell.

15. The radio network controller according to claim 13, wherein said radio network controller further comprises means for, when
5 the radio network controller has already set a dedicated channel for data delivery of the service with respect to radio terminals having joined the service, in accordance with the updated number of said radio terminals, judging that the dedicated channel be switched to the common channel for the data delivery of the
10 service.

16. The radio network controller according to claim 15,
wherein, in the judgment, said radio network controller compares the updated number and a predetermined number and, if the updated number is smaller than the predetermined number,
15 sets the dedicated channel with respect to said radio terminal having moved to the cell.

17. The radio network controller according to claim 15,
wherein, in the judgment, said radio network controller compares the updated number and a predetermined number and, if
20 the updated number is equal to or larger than the predetermined number, sets the common channel with respect to said radio terminals having joined the service and said radio terminal having moved to the cell.

18. A operation control method for a radio network controller in a mobile communication system having a function for delivering data of an identical service to a plurality of radio terminals, comprising a step of, when a radio terminal having joined the
5 service has moved to a cell under control of said radio network controller, notifying a moving source radio network controller of the movement of said radio terminal.

19. The operation control method according to claim 18,
wherein the movement of said radio terminal to the cell
10 is movement during a period until data reception after said radio terminal has joined the service.

20. The operation control method according to claim 19,
wherein said movement of the radio terminal is movement
15 during an idle mode or standby state.

21. The operation control method according to claim 18, further comprising a step of increasing and updating the number of radio terminals subscribing to the service.

22. The operation control method according to claim 21, the
20 operation control method having already set up a common channel for delivery of data of the service, further comprising a step of setting the common channel with respect to said radio terminal having moved to the cell.

23. The operation control method according to claim 21, the operation control method having already set a dedicated channel for data delivery of the service with respect to radio terminals having joined the service, further comprising a step of, in
5 accordance with the updated number of said radio terminals, judging that the dedicated channel be switched to the common channel for the data delivery of the service.

24. The operation control method according to claim 23,
wherein, in the judgment, said operation control method
10 compares the updated number and a predetermined number and, if the updated number is smaller than the predetermined number, sets the dedicated channel with respect to said radio terminal having moved to the cell.

25. The operation control method according to claim 23,
15 wherein, in the judgment, said operation control method compares the updated number and a predetermined number and, if the updated number is equal to or larger than the predetermined number, sets the common channel with respect to said radio terminals having joined the service and said radio terminal having
20 moved to the cell.

26. A radio terminal in a mobile communication system having a function for delivering data of an identical service to a plurality of users, comprising means for, in response to movement of said radio terminal between radio network controllers after
25 said radio terminal has joined the service, transmitting

identification information specifying a moving source radio network controller to a moving destination radio network controller.

27. A computer readable program for causing a computer to execute
- 5 an operation control method for a radio network controller in a mobile communication system having a function for delivering data of an identical service to a plurality of radio terminals, comprising a step of, when a radio terminal having joined the service has moved to a cell under control of said radio network
- 10 controller, notifying a moving source radio network controller of the movement of said radio terminal.